

CLAIMS

WE CLAIM:

1. A method to set at least one computer setting comprising the steps of:
determining a largest value and a major value in a superset of values;
setting the at least one computer setting to a value greater than or equal to one of the largest value and the major value.
2. The method of claim 1 wherein the at least one computer setting is a window scaling factor and the step of setting the at least one computer setting to the value greater than or equal to the one of the largest value and the major value comprises the step of setting the window scaling factor to a value greater than or equal to the one of the largest value and the major value.
3. The method of claim 2 wherein the major value of the window scaling factor is 256 and wherein the step of setting the window scaling factor to a value greater than or equal to the one of the largest value and the major value comprises the step of setting the window scaling factor to 256.
4. The method of claim 1 wherein the step of setting the at least one computer setting to a value greater than or equal to one of the largest value and the major value includes the step of negotiating the value.

5. A method to negotiate an option in a computer environment comprising the steps of:

predicting if the option will be needed;

if the option is predicted to be needed, predicting if the option will need a value outside of a normal range of values:

if the option is predicted to need the value outside of the normal range of values:

determining an outside setting to use that is outside of the

normal range of values;

setting the value to the outside setting;

if the option is not predicted to need the value outside of the normal range of values:

setting the value to a normal setting within the normal range of values.

6. The method of claim 5 wherein the option is an Internet security encryption option, and wherein the step of setting the value to a normal setting includes setting an encryption key size to one of 40 bit, 128 bit, 192 bit and 256 bit.

7. The method of claim 6 wherein the step of setting an encryption bit size to the one of 40 bit, 128 bit, 192 bit and 256 bit includes the steps of predicting a highest value that will be needed and setting the encryption key size to the highest value.

8. The method of claim 6 wherein the method includes negotiating IPSec protocol options.

9. The method of claim 5 wherein the option is a window scaling factor and wherein the step of setting the value to an outside value includes setting the window scaling factor to a value of 256.

10. A computer readable medium having computer executable instructions for setting a computer setting, the computer executable instructions performing the steps comprising:

obtaining a range of values used for the computer setting;

determining a largest value in the range of values;

setting the computer setting to a value greater than or equal to the largest value.

11. The computer-readable medium of claim 10 wherein the computer setting is a window scaling factor and the step of setting the computer setting to the value greater than or equal to the largest value comprises the step of setting the window scaling factor to a value greater than or equal to the largest value.

12. The computer-readable medium of claim 11 wherein the step of setting the window scaling factor to a value greater than or equal to the largest value comprises the step of setting the window scaling factor to 256.

14. A computer readable medium having computer executable instructions for negotiating an option in a computer environment, the computer executable instructions performing the steps comprising:

if the option is predicted to be needed:

values:

determining an outside setting to use that is outside of the normal range of values;

if the option is not predicted to need the value outside of the normal range of values:

setting the value to a normal setting within the normal range of values.

15. The computer-readable medium of claim 14 wherein the option is an internet security encryption option, and wherein the computer-readable medium has further computer-executable instructions for performing the step of setting an encryption key size to one of 128 bit, 192 bit and 256 bit.

16. The computer-readable medium of claim 15 having further computer-executable instructions for performing the steps of predicting a highest value that will be needed and setting the encryption key size to the highest value.

17. The computer-readable medium of claim 15 having further computer-executable instructions for performing the steps including negotiating IPSec protocol options.

18. The computer-readable medium of claim 14 wherein the option is a window scaling factor and wherein the computer-executable instructions for performing the step of setting the value to an outside value includes computer-executable instructions for setting the window scaling factor to a value of 256.